



1		2	3	4
Date	Revision	Description		
2020/2/21	V1.0	Initial Version		
2020/3/4	V1.1	更新矩阵键盘行和列的分配		
				FILE: FR8018HA_Reference_Design Version: V1.1 Size: A4 Sheet: Drawn By: Date: 2020/3/4
1		2	3	1 Date: 2020/3/4

上海富芮坤微电子有限公司 FREQUEN MICROELECTRONICS

Bill of Materials For Project [FR8018HA_RD_V1.1.PrjPCB] (No PCB Document Selected)

	「「「Frogett [FROOTOHA_KD_VIII.FI]」 项目名称:	• - •		更新时间:	2020/3/4	
序号		型号/参数	封装	位号	焊点数	数量
Item #	Description	Comment	Footprint	Designator	Pins	Quantity
1	电源	POWER		BAT1	2	1
2	贴片电容	1uF 10% 6.3V X5R	0402C	C1, C3	2	2
3	贴片电容	0.1uF 10% 10V X7R	0402C	C2	2	1
4	贴片电容	TBD	0402C	C4, C5, C7, C9, C13, C14	2	6
5	贴片电容	NC	0402C	C6	2	1
6	贴片电容	100nF 10% 25V X5R	0402C	C8	2	1
7	贴片电容	2.2uF 10% 10V X5R	0402C	C10, C12	2	2
8	贴片电容	10uF 20% 6.3V X5R	0603C	C11	2	1
9	TVS管	NC	TVS_SOD-323	D1	2	1
10	PCB天线	ANT	ANT2_FR_1.0	E1	2	1
11	USB连接器	MICRO USB	USB_MICRO_DIP_5.6	JK1	11	1
12	贴片电阻	0R 1%	0402L	L1	2	1
13	贴片电感	10uH 20% 50mA	0603L	L2	2	1
14	驻极体模拟麦克风	ECM MIC	MIC_DIP_4015	MIC1	2	1
15	贴片电阻	2.2K 5%	0402R	R1	2	1
16	贴片电阻	10K 5%	0402R	R2	2	1
17 贴片轻触		Key	SW_SMD4P_3.2X4.2X2.5	\$1, \$2, \$3, \$4, \$5, \$6, \$7, \$8, \$9, \$10, \$11,		32
	□			\$12, \$13, \$14, \$15, \$16, \$17, \$18, \$19, \$20,		
	始月辁 胜并入 			S21, S22, S23, S24, S25, S26, S27, S28, S29,	2	
				S30, S31, S32		
18	喇叭	16/32R	-	SPK1	2	1
19	测试焊盘	VBAT	TP_2	TP1	1	1
20	测试焊盘	GND	TP_2	TP2	1	1
21	测试焊盘	UART_RXD	TP_1.2	TP3	1	1
22	测试焊盘	UART_TXD	TP_1.2	TP4	1	1
23	测试焊盘	SW_TCK	TP_1.2	TP5	1	1
24	测试焊盘	SW_DIO	TP_1.2	TP6	1	1
25	低功耗蓝牙芯片	FR8018HA QFN48 6*6	QFN48_0606_0.4	U1	49	1
26	贴片无源晶振	24MHz 10PPM CL9pF	XTAL_3225	Y1	4	1
27	贴片无源晶振	32.768KHz 20PPM CL12pF	XTAL_3215	Y2	2	1